

1. The first group of people who are interested in the study of the history of the world are the historians. They are the people who study the past and write about it. They are the people who tell us what happened in the past and why it happened. They are the people who help us to understand the world we live in today.

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1 9. The apparatus of claim 2 wherein the
2 support structure is made from at least two materials
3 bonded together.

1 10. The apparatus of claim 2 wherein the
2 actuator means produces a spatial displacement when
3 actuated and the support structure includes a pair of
4 opposing arms disposed relative to the actuator for
5 amplifying the spatial displacement.

1 11. In an apparatus for use in an application
2 including at least one of clamping and valving having a
3 support structure and piezoelectric actuator, the
4 improvement comprising:
5 the support structure being a single piece.

1 12. The improvement of claim 11 wherein the
2 support structure is a mechanically active element of the
3 apparatus.

1 13. The improvement of claim 11 wherein the
2 support structure includes opposing resilient arm
3 portions biased to a rest position.

1 14. The improvement of claim 13 wherein the
2 arm portions are driven from the rest position to an
3 actuated position in response to actuation of the
4 actuator.

1 15. The improvement of claim 14 wherein the
2 arm portions are biased to return to the rest position
3 from the actuated position in response to deactuation of
4 the actuator.

1 16. The improvement of claim 11 wherein the
2 support structure is made from one or more materials.

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1 17. The improvement of claim 11 wherein the
2 support structure is made from at least two materials
3 bonded together.

1 18. The improvement of claim 11 wherein the
2 actuator produces a spatial displacement when actuated
3 and the support structure includes a pair of opposing
4 arms disposed relative to the actuator for amplifying the
5 spatial displacement.

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